

## AMENDMENTS TO THE CLAIMS

Please amend claims 1, 20, and 28, cancel claim 24 as follows:

1. (Currently Amended) A method, comprising:  
 receiving a first ~~schema~~ database;  
 forming a virtual schema including at least a portion of a dataset included within the first database;  
 receiving a first input indicating a criteria;  
 aggregating data of the first database into one or more groupings in accordance with the virtual schema and the first input indicating the criteria; and  
 displaying one or more indicators associated with the one or more groupings on an n-dimensional presentation.
2. (Original) The method of claim 1, further comprising:  
 receiving a second input indicating one or more regions;  
 storing the second input as a spatial-object meta data; and  
 aggregating the groupings based upon the spatial-object meta data.
3. (Original) The method of claim 2, further comprising:  
 displaying one or more indicators associated with the one or more groupings in a region associated therewith on an n-dimensional presentation.
4. (Original) The method of claim 2, wherein  
 the region comprises at least one of:  
 a polygon,  
 a circle,  
 a rectangle,  
 an ellipse, and  
 an animal home range.
5. (Original) The method of claim 2, wherein:  
 the second input indicating one or more regions comprises:  
 at least one of:  
 an input from a user,

5 a pre-determined area,  
 6 a derivation based upon one or more objects on the n-dimensional  
 7 presentation, and  
 8 a result of a computation.

1 6. (Original) The method of claim 5, wherein:  
 2 the pre-determined area comprises at least one of:  
 3 a zip code,  
 4 an area code,  
 5 a census tract,  
 6 a Metropolitan Statistical Area (MSA),  
 7 a nation state,  
 8 a state,  
 9 a county,  
 10 a municipality,  
 11 a latitude, and  
 12 a longitude.

1 7. (Original) The method of claim 5, wherein:  
 2 the derivation based upon one or more objects on the n-dimensional  
 3 presentation comprises:  
 4 a region within a specified distance of a power line.

1 8. (Original) The method of claim 5, wherein:  
 2 the result of a computation comprises:  
 3 computing an animal home range, the home range providing a region  
 4 defined by activities of a target;  
 5 defining within the region a first ellipse; and  
 6 defining within the region a second ellipse approximately orthogonal to the  
 7 first ellipse; wherein  
 8 an area defined by intersection of the first ellipse and the second ellipse  
 9 provides a greatest probability of finding the target.

1 9. (Original) The method of claim 8, wherein:  
 2 the target comprises at least one of:  
 3 a suspect, who perpetrated criminal acts defined by the data,

4 a customer, who completed transactions in shops defined by the data,  
5 a source of biological material, which caused infections in persons defined  
6 by the data.

1 10. (Original) The method of claim 2, wherein:  
2 aggregating the groupings based upon the spatial-object meta data  
3 comprises:  
4 checking whether data points fall within a common region, and  
5 if so, aggregating data represented by the data points.

1 11. (Original) The method of claim 3, wherein:  
2 the n-dimensional presentation comprises a map.

1 12. (Original) The method of claim 11, wherein:  
2 displaying one or more indicators further comprises:  
3 determining an x, y coordinate for each region on the map;  
4 displaying at least one indicator associated with the one or more groupings  
5 on the map at the x, y coordinate.

1 13. (Original) The method of claim 2, further comprising:  
2 receiving a third input indicating a one or more redefined regions;  
3 storing the third input as a redefined spatial-object meta data; and  
4 aggregating into new groupings based upon the spatial-object meta data.

1 14. (Original) The method of claim 2, further comprising:  
2 redefining the virtual schema based upon the spatial-object meta data.

1 15. (Original) The method of claim 14, wherein:  
2 redefining the virtual schema based upon the spatial-object meta data  
3 comprises:  
4 receiving a third input indicating a criteria;  
5 aggregating data of the database into one or more new groupings in  
6 accordance with the redefined virtual schema and the third input  
7 indicating the criteria; and  
8 displaying one or more indicators associated with the one or more new  
9 groupings on an n-dimensional presentation.

1 16. (Original) The method of claim 2, further comprising:

2 receiving a third input indicating a relationship between a first data point  
 3 and a second data point on the n-dimensional presentation;  
 4 reflecting the relationship in the virtual schema;  
 5 aggregating data of the database into one or more new groupings in  
 6 accordance with the virtual schema; and  
 7 displaying one or more indicators associated with the one or more new  
 8 groupings on an n-dimensional presentation.

1 17. (Original) The method of claim 1, further comprising:  
 2 receiving a second database;  
 3 forming a virtual schema including at least a portion of a dataset included  
 4 within at least one of the first database and the second database;  
 5 receiving a first input indicating a criteria;  
 6 aggregating data of at least one of the first database and the second  
 7 database into one or more groupings in accordance with the virtual  
 8 schema and the first input indicating the criteria; and  
 9 displaying one or more indicators associated with the one or more  
 10 groupings on an n-dimensional presentation.

1 18. (Original) The method of claim 1, further comprising:  
 2 generating code in accordance with the virtual schema.

1 19. (Original) The method of claim 1, further comprising:  
 2 providing customer centric information to a core of customer data within  
 3 the database in accordance with the virtual schema.

1 20. (Currently Amended) A method, comprising:  
 2 receiving a first ~~schema~~ database;  
 3 forming a virtual schema including at least a portion of a dataset included  
 4 within the first database;  
 5 receiving a first input indicating a criteria;  
 6 receiving a second input indicating one or more regions;  
 7 aggregating data of the first database into one or more groupings in  
 8 accordance with the virtual schema, the first input indicating the  
 9 criteria, and the second input indicating the one or more regions of  
 10 interest; and

11 displaying one or more indicators associated with the one or more  
12 groupings on an n-dimensional presentation.

1 21. (Original) A system, comprising:  
2 a schema builder that generates one or more virtual schemas including at  
3 least a portion of data input from a source, and generates mapping  
4 rules controlling data movement into a data warehouse;  
5 a metadata repository operative to hold the virtual schemas and mapping  
6 rules;  
7 a data warehouse builder;  
8 a spatial-object data repository;  
9 a region checker; and  
10 an n-dimensional presentation;  
11 wherein the data warehouse is defined by at least a portion of the data  
12 input, the virtual schemas, the mapping rules, and the analysis  
13 functions.

1 22. (Original) The system of claim 21 wherein the source comprises at  
2 least one of a plurality of on line transaction processing (OLTP) databases.

1 23. (Original) An apparatus, comprising:  
2 means for generating one or more virtual schemas including at least a  
3 portion of data input from a source;  
4 means for generating mapping rules controlling data movement into a data  
5 warehouse;  
6 means for holding the virtual schemas and mapping rules;  
7 means for generating one or more analysis functions based upon the virtual  
8 schemas and data input.

1 24. (Canceled)

1 25. (Original) A computer program product, comprising:  
2 code for accessing meta data from a repository;  
3 code for translating entities from a meta model into a data schema to form  
4 a database;  
5 code for providing customer activity correlation queries with access to a  
6 database of a data warehouse;

7 code for providing customer data analysis functions;  
8 code for providing analysis results to at least one of a plurality of business  
9 applications; and  
10 a computer readable storage medium for holding the codes.

1 26. (Original) A customer data analysis report produced according to  
2 the method of claim 1.

1 27. (Original) A method, comprising:  
2 providing a focal group, comprising:  
3 at least one of a plurality of core components; and  
4 at least one of a plurality of classification components providing  
5 classifications for information relating to the core  
6 components; and  
7 providing at least one customized group, comprising:  
8 at least one of a plurality of customer activity components related  
9 to the core component; and  
10 at least one of a plurality of activity lookup components related to  
11 at least one of the customer activity components;  
12 wherein the focal group and the customized group comprise a reverse star  
13 schema meta model.

1           28.     (Currently Amended) A computer readable storage medium containing  
2     information organized into a focal group and at least one customized group according to the  
3     method of claim 27.